Air-Conditioning and Refrigeration Institute

1815 NORTH FORT MYER DRIVE • ARLINGTON, VIRGINIA 22209 • TELEPHONE 524-8800

• ARI CERTIFICATION PROGRAMS •

Developed to Give Assurance to Engineers

The Air-Conditioning and Refrigeration Institute is the trade association of the manufacturers of all types of air-conditioning equipment except window units, and of many types of commercial and industrial refrigeration equipment, as well as the parts, components and materials used in them.

Among ARI's primary activities are those in the fields of standards and certification. There are now approximately 40 ARI Standards for equipment and applications, as well as a number of other technical publications useful in the installation and maintenance of equipment. A complete list of ARI Standards and Technical Publications may be obtained by writing the Institute.

Conformance with ARI Standards is voluntary, although equipment and applications *represented as being in accordance* with a specific Standard "... shall conform with all the provisions thereof," as set out in each Standard.

At the present time, ARI administers certification programs for five different specific types of equipment, each based upon a standard. These are the programs for unitary air-conditioners, unitary heat pumps, room air-induction units, transport refrigeration units, and room fan-coil units (the last is an industry program based on an industry standard developed by ARI in cooperation with two other trade associations). A program for air-cooling and air-heating coils is scheduled to become operative early in 1965.

A basic provision in all of these programs is that participating manufacturers sign firm, enforceable contracts to rate equipment covered by the program on the basis of tests prescribed by the applicable Standard. Thus, while compliance with ARI Standards as such is voluntary, once a contract has been signed to participate in a certification program, compliance becomes mandatory so long as the company continues to participate.

Certified equipment is subject to random testing under provisions of the various programs, and models which do not meet certified capacity or performance conditions as specified in the contract must be re-rated, re-designed, or withdrawn from the line. Failure to make the necessary corrections can result in withdrawal of certification from the manufacturer's entire line, not just the model in question.

Seals of certification are issued by ARI for the application to certified models, and only models which are able to meet the tests are entitled to bear such seals. Facsimiles of the seals representing the five currently effective programs are reproduced on this page, so that engineers, architects and other purchasers and specifiers of equipment may know what to look for with assurance.

Competitive manufacturer-participants in the program may protest against the ratings of another manufacturer's equipment, and with suitable evidence may ask for a special test to be run. This is in addition to the random testing which, in the Unitary program, now provides for the testing of approximately one-third of each participant's models each year.

The rigorous tests check not only the capacity rating of the equipment at standard rating conditions but its performance under specific conditions as provided in the standard and in the certification agreement.

"Directories" of certified models under each program are published periodically by the Institute and are available without cost upon writing to the Institute at the address below.

Standards upon which the several certification programs are based are: ARI-Standard 210-62 for Unitary Air-Conditioning Equipment; ARI Standard 250-62 for Unitary Heat-Operated Air-Conditioning Equipment; ARI Standard 240-61 for Unitary Heat Pumps; ARI Standard 445-61, for Room Air-Induction Units; ARI Standard 1110-64 for Transport Refrigeration Units; and Industry Standard 441-61 for Room Fan-Coil Air-Conditioners.

THIS PRODUCT IS CERTIFIED AS COMPLYING WITH ROOM AIR-INDUCTION UNITS ARI STANDARD 445

Replica of Seal of Certification for Room Air-Induction Units

CERTIFIED COMPLIANCE ROOM FAN-COIL AIR CONDITIONER INDUSTRY STANDARD 441

Replica of Seal of Certification for Room Fan-Coil Air-Conditioners

THIS UNIT HAS BEEN CERTIFIED AS COMPLYING WITH AIR-CONDITIONING AIR-CONDITIONING ARI STANDARD 210

Replica of Seal of Certification for Unitary Air-Conditioners

THIS UNIT HAS BEEN CERTIFIED AS COMPLYING WITH UNITARY HEAT PUMP EQUIPMENT ARI STANDARD 240

Replica of Seal of Certification for Unitary Heat Pumps

THIS UNIT HAS BEEN CERTIFIED AS COMPLYING WITH SPECIFIED TRANSPORT REFRIGERATION UNITS ARI STANDARD 1110

Replica of Seal of Certification for Transport Refrigeration Units

For further information on any or all of these certification programs, write to:

Chief Engineer

Air-Conditioning and Refrigeration Institute

1815 N. Fort Myer Drive • Arlington, Virginia 22209

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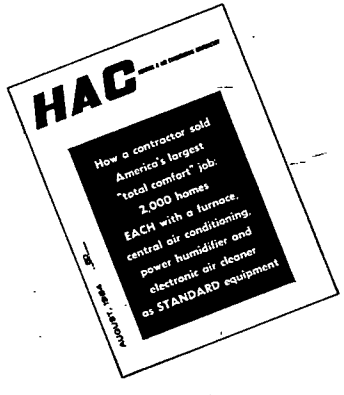
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